General Monitoring Information
Park Place Timber Sale Example

◆ Project goals – generally what do we intend to accomplish?
- ▶ Reduce risk of high-severity fire
  (increase likelihood of residual tree survival when fire does burn)
- ▶ Increase forest resistance to insect and disease outbreak
- ▶ Limit weed infestations to endemic levels
- ▶ Improve habitat for big game and cavity nesters
- ▶ Maintain aesthetic beauty as seen from the county road
- ▶ Minimize increased erosion resulting from management activities

◆ Project objectives – what are specific, measurable actions that will be taken to achieve project goals?
- ▶ Thin forest from an average of 120 ft^2/ac down to an average 46 ft^2/ac
- ▶ Thin forest to shift species composition from 85%, 10%, and 5% ponderosa pine, Douglas-fir, and lodgepole pine to 75%, 20%, and 0%
- ▶ Construct erosion control devices (i.e., water bars & rolling dips) and grass seed as necessary (to standards based on slope and disturbance)
- ▶ Spray to reduce weed populations where they are observed to exceed endemic levels

Types of Monitoring

◆ Implementation monitoring – have we done what we said we were going to do (is the contractor fulfilling the obligations of the contract)?
- ▶ Basal area reduced to 46 ft^2/ac?
- ▶ Species composition shifted as desired?
- ▶ Damage to leave trees minimized?
- ▶ Development of skid trails minimized?
- ▶ Slash piles constructed properly?
- ▶ Water bars constructed at appropriate spacing on slopes of specified grade?
- ▶ Is someone spraying weeds?

◆ Effectiveness monitoring – are we achieving project goals?
- ▶ Are species regenerating adequately to manage for target species composition?
- ▶ Does the literature still support favoring large trees and favoring ponderosa pine > Douglas-fir > lodgepole pine to increase forest survivability when fire occurs?
- ▶ Does the literature still support these treatments to reduce risk of insect and disease outbreak?
- ▶ Are weed populations limited to endemic levels?
- ▶ How does the local community feel about the project several years after completion?